

## Complete Listing of NSF Programs that will either authorize, or require, use of Grants.gov to prepare and submit proposals to NSF in FY 2006

### Office of Polar Programs

#### Submission Required through Grants.gov

- Antarctic Artists and Writers

#### Submission Optional through Grants.gov

- Arctic Research Opportunities
- Antarctic Research

### Mathematical & Physical Sciences

#### Submission Required through Grants.gov

- Scientific Computing Research Environments for the Mathematical Sciences

#### Submission Optional through Grants.gov

- Advanced Technologies and Instrumentation
- Atomic Molecular and Optical Physics
- Ceramics
- Chemistry Research Instrumentation and Facilities: Instrument Development
- Conference, Workshops, and Special Meetings in the Mathematical Sciences
- Electronic Materials
- Foundations
- Inorganic, Bioinorganic and Organometallic Chemistry
- Interdisciplinary Grants in the Mathematical Sciences
- Metals
- MPS Internships in Public Science Education
- Nuclear Theory and Gravitational Theory
- Polymers
- Program for Research and Education with Small Telescopes
- Theoretical and Computational Chemistry

### Biological Sciences

#### Submission Required through Grants.gov

- Living Stock Collections

#### Submission Optional through Grants.gov

- 2010 Project
- Behavioral Systems Cluster
- Biological Research Collections

- Developmental System Cluster
- Environmental and Structural Systems Cluster
- Functional and Regulatory Systems Cluster
- Instrument Development for Biological Research
- Long Term Research in Environmental Biology
- Microbial Observatories/Microbial Interactions Processes
- Opportunities for Promoting Understanding through Synthesis
- Partnerships for Enhancing Expertise in Taxonomy
- Plant Genome Program
- Research Coordination Networks in Biological Sciences
- Revisionary Syntheses in Systematics

### Computer & Information Sciences & Engineering

#### **Submission Required through Grants.gov**

- Advanced Learning Technologies

#### **Submission Optional through Grants.gov**

- Broadening Participation in Computing
- Cyber Trust
- Emerging Models and Technologies for Computation
- Foundations of Computing Processes and Artifacts
- Information and Intelligent Systems: Advancing Collaborative and Intelligent Systems and their Societal Implications
- Networking Technology and Systems
- Next Generation Cybertools
- Science and Engineering Information Integration and Informatics
- Science of Design
- Theoretical Foundations

### Geosciences

#### **Submission Required through Grants.gov**

- Coupling, Energetics, and Dynamics of Atmospheric Regions

#### **Submission Optional through Grants.gov**

- Biological Oceanography
- Carbon & Water in Earth Systems
- Earth Sciences Research at the National Science Foundation
- Earth Sciences: Instrumentation and Facilities
- EarthScope: Science, Education, and Related Activities
- Geoscience Education
- GEO-Teach
- Global Learning and Observations to Benefit the Environment
- Sedimentary Geology and Paleobiology

- Solar, Heliospheric, and Interplanetary Environment

### Education & Human Resources

#### **Submission Required through Grants.gov**

- Research in Disability Education

#### **Submission Optional through Grants.gov**

- Advanced Technological Education
- Course, Curriculum, and Laboratory Improvement
- Evaluative Research and Evaluation Capacity Building & Research on Learning in Education
- Historically Black Colleges and Universities Undergraduate Program
- Informal Science Education
- Information Technology Experiences for Students and Teachers
- Instructional Materials Development
- Integrative Graduate Education & Research Traineeship Program
- Inter-Agency Education Research Initiative
- Louis Stokes Alliances for Minority Participation Program
- National Science, Technology, Engineering, and Mathematics Education Digital Library Program
- NSF Graduate Teaching Fellows in K-12 Education
- Research on Gender in Science and Engineering
- Teacher Professional Continuum
- Tribal Colleges & Universities

### Engineering

#### **Submission Required through Grants.gov**

- Infrastructure Materials Applications and Structural Mechanics

#### **Submission Optional through Grants.gov**

- Biochemical Engineering
- Biophotonics
- Controls, Networks and Computational Intelligence
- Dynamical Systems
- Electronics, Photonics and Device Technologies
- Engineering Design
- Engineering Education
- Environmental Technology
- Fluid Dynamics and Hydraulics
- Geomechanics & Geotechnical Systems
- Integrative Hybrid and Complex Systems
- Interfacial, Transport and Thermodynamics
- Materials Processing & Manufacturing

- Nanomanufacturing
- Process and Reaction Engineering
- Sensor Technologies for Civil and Mechanical Systems
- Separation and Purification Processes
- Materials Use: Science, Engineering, and Society

### Social, Behavioral & Economic Sciences

#### **Submission Required through Grants.gov**

- Geography and Regional Science

#### **Submission Optional through Grants.gov**

- ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers Funding
- Cultural Anthropology
- Cross-Directorate Activities
- Methodology, Measurement and Statistics (MMS)
- Research on Science and Technology Surveys and Statistics
- SBE Doctoral Dissertation Research Improvement Grants
- Social Psychology